

## Crystal Ball questions on Naming organic molecules

**QUESTION:** Name the following organic molecules

$  \begin{array}{c}  \text{H} \quad \text{H} \\    \quad   \\  \text{H}-\text{C}-\text{C}-\text{H} \\    \quad   \\  \text{H} \quad \text{H}  \end{array}  $	$  \begin{array}{cccccccc}  & \text{H} & & \text{H} & & \text{H} & & \text{H} \\  &   & &   & &   & &   \\  \text{H} & -\text{C} & - & \text{C} & - & \text{C} & - & \text{C} & - & \text{C} & - & \text{C} & - & \text{C} & - & \text{H} \\  &   & &   & &   & &   & &   & &   & &   \\  & \text{H} & & \text{H} & & \text{H} & & \text{H} & & \text{H} & & \text{H} & & \text{H}  \end{array}  $	$  \begin{array}{ccccccccc}  & \text{H} & & \text{H} & & \text{H} & & \text{H} & & \text{H} \\  &   & &   & &   & &   & &   \\  \text{H} & -\text{C} & - & \text{C} & - & \text{C} & - & \text{C} & - & \text{C} & - & \text{H} \\  &   & &   & &   & &   & &   \\  & \text{H} & & \text{H} & & \text{H} & & \text{H} & & \text{H}  \end{array}  $
<p>alkene with 3 carbon atoms</p>	$  \begin{array}{c}  \text{H} \\    \\  \text{H}-\text{C}-\text{H} \\    \\  \text{H}  \end{array}  $	$  \left[ \begin{array}{cccccc}  \text{CH}_3 & \text{H} & & \text{CH}_3 & \text{H} & & \text{CH}_3 & \text{H} \\    &   & &   &   & &   &   \\  -\text{C} & - & \text{C} & - & \text{C} & - & \text{C} & - & \text{C} & - & \text{C} & - \\    &   & &   &   & &   &   \\  \text{H} & \text{H} & & \text{H} & \text{H} & & \text{H} & \text{H}  \end{array} \right]_n  $
$  \begin{array}{c}  \text{H} \quad \text{H} \quad \text{H} \\    \quad   \quad   \\  \text{H}-\text{C}-\text{C}-\text{C}-\text{H} \\    \quad   \quad   \\  \text{H} \quad \text{H} \quad \text{H}  \end{array}  $	$  \begin{array}{cccccccc}  & \text{H} & & \text{H} & & \text{H} & & \text{H} \\  &   & &   & &   & &   \\  \text{H} & -\text{C} & - & \text{C} & - & \text{C} & - & \text{C} & - & \text{C} & - & \text{C} & - & \text{C} & - & \text{H} \\  &   & &   & &   & &   & &   & &   & &   \\  & \text{H} & & \text{H} & & \text{H} & & \text{H} & & \text{H} & & \text{H} & & \text{H}  \end{array}  $	<p>alkene with 2 carbon atoms</p>